Washpart /2

Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0

land Jurany - Current Calabadia; Jajor Turadeal Problem 2725-20 Poplar 1 February 1962

***	2002	States Chance Stone 2 January 1962	Confidence Clary	2.30
**	25X1A 25X1A	De purp Committed on 2 Jennary Inited at 33 learns than 3 relation conference due to mechanical relies than material response. An malificant purp with choose to make the conference believed the to test rig materials at third purp is starting 33 whether externors at with a better but not without material configuration.	No charge shape 2 June. Inguissed class 13 June. 1961	25X1A in additional confination of purp durability on caste undersoon. Such and FEA strongly impressed with according to focus on bardware for more durable outside to how because of constitution and to accolorate bouch endurance contings.
	2. Symmilie Symbon Flow Symmiles	heops of problem fait to be excrement from pump palastics processes posts to interaction of matons 'on demant' regalements relative to pump emiraller response mate. Investigating this area, lustwern pressure pasts due to this interaction alone still insufficient to cause pipe repture. In further pipe repture during engine test reported above imagnoration mechanical fibilitys and poweral system "best-up."	allightly improved but not confirmed.	haident reduction in pipe replace still not fully identified nor ourlined by engine andurance.
). Anima -	Agriculty displayment to instantial fittings is protecting antisfactorily. One amedical fitting lask reported since 2 Assury.	Deposed but out	Svaluacion co magina contarance requiret.

A long range development problem involving retor geometry. Probably not affective before the AOth

delivery malen.

Confidence Same Selados Since I Janeses III Sign 2 Japany 1962 A Section Status Change State 2 America 1542 Turbine Profile
Since 2 James y a sot-back occurred starsin in proved improved profile abtained by diffuser modification of proved improved incomissions. Since this are-back improved incomissions. Since this are-back improved in ten argine been established with repeatablishing on ten arginess. Circumstantiated temperature profile has been received at the last specta with a spread shows received of 2007. A radial profile tentement to the initial and incomission described on identification described on identification described on identification. A THE OFF FOR COMMON improvement and yet confirmed by enterence. Altheoretised repositability union this labout interior configuration can level enterence in impacted for ingreamed tout more 1. Turbina Profile late Petruary with engine Fi-liz and/or Fi-lia. Since this interior fir may well cost performance, concerned progress involving Fi-li3 and 111 will be run to evaluate conformation and langer margo production firms. humor on antiquation deposited in Minabout A. the engine M.-112, 113, 114. Indication point to the indication of this problem to areas of low encourage infert temperature with high power antiquations of the problem to areas of low encourage. ingine test embusion of the 5 ring member ments employee so for precluded by the temperature prefile problem. Although hig besting to continuing for the improve-nest of specimes and numbers so stitlious. In-20 employ afterturning the resolution of the 55 sup-mentation definitory has been run. 3. Whendramar erformano Sugire FA-113 (correctly semigrate temperature profile problem) performence calibration required. A long range development problem immaring rotor Although ris tosties contention of solid ve. honey- its charge.). langersour fatering and remarks in in presents to real charge in states as determined by socials performent embastion in weldont. Charge in blood typess transition from Sach 2.6 does to 2.2 has extended the area of botter than dead; a smithalated performance elements. fristency istic of bloods com operation. This of course does Represent the stage empresses seal has allumined the momentar for threat balance sair blood. Turbies couldn't admitte still required. Parties evaluation regulard on Fi-113. Inguestad. & Phreat Salmon & Thether Cocling

to immediate change. A long lead time proliminary to disagn-reducing has been initiated to recorp the IV definitions.

ALL THE LAND

5. Tuebine listening and Sfriedmon

	Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0			25-0
		Status States Stone 2 James 1962	Sant Maner States	Seeming Story & January 1962
	strole - Fratt and Itser			
1.	Valve and Platen Salauros	At hours of integrated quater son level engine operation incorporating some hardened surfaces reveals so additional subsects. Annualisating production hardene deliveries have preducted further engine test.	alightly inserved.	initial production components have been delivered and are now on beach calibration prior to engine toot evaluation.
				*
2.	Speed Schedule Incomidationer	The experience described show has desceptimized improvement.	Might Improved.	full evaluation of this problem and problem 1 shot depends on emitte relation devironmental endurance using production components.
3. X1A	Tringuat Homelo Control Instability	All existing experimental and production unite now incorporate the redesigned valve fait to have been the creat of title problems. It haves of integrated system engine test utilizing a different component combinations has demonstrated repeatable stability.	loproved.	Additional description of repostable stability on empire entrance with production compensate regulard.
Å*	Casting Combits As Affording Freduction Component	Production conformat deliveries continue to slip.	Pogregati.	heralised report fortheredness

Attachemit /2

		Approved For Release 2003/02/27 : CIA	A-RDP81B00879R0010000800	25-0
-		300 300 300 3	Sections Section 2012	
	Aurolus Alados	all orgines has incorporate new heavy weight turbine blade vibration darpers. So black fallows experienced with new darpers. A slow but continuing affort valency to extend black life by inhibiting correction.	Improved	A long many program to increase blade life. Further enturance testing regulard.
į	2. Seepremor	Initial booting with engines Fi-114 and 115 incorporating beload rotor has progressed understandly. Real durability testing has not been initiated.	little case	Mills to run program to check durability under many conditions. Milk to run educion enducion with belief reter. Mil upon revalld to run endurance with strain gaped balted reter to regimple strain lavels.
	3. Turder lawr	Continued resoluting inapportion of light temight antivalley temino discs excessed for master ? delivery cogies has revealed inconsistency in terms of yield and dustility for the five lat- stage discs reviewed. The times inspected out- of a templ of four link stage discs show good properties.	To change	Polishry engines I through 6 resolve the hearter Percular discs which show good properties as indicated on previous successy dated 2 January 1962.
-	i. Gargarmeer Alr Seel Dischrigge	federica incorporated in enginee 25-112, 114, 115. headflatest insting to reducte.		Engine endurance required.
	5. Constan	Tituding reside postur on the has normalated la hours embarance at 1° curioscens missificated. Test program is being delayed by difficulty with airfrace alternatur.	increased.	is missilipment has been accepted by lockbood (indicated at L decumy meeting. Trouble with misfrace alternator may or may not be indicative of reliability of misfrace electrical power source.
	be Common implies	io diamen	no champ	expected to start in late Formary.
	7. Englas Out- Seed Dejection	No change	to charge	To be swaltested as part of flight test program.